

Proposed By: _____

Course Change/Delete Proposal Form
Educational Policy and Curriculum Committee

1. Department: Chemistry & Physics Date: October 31, 2008
2. Course Number and Title: Phys 271: Experimental Physics (change to Phys 371)
3. This course is to be: changed X deleted _____
If this course is to be changed, proceed with #4, if deleted, skip to #6.
4. Current course description as it appears in the catalog:
Physics 271. Experimental Physics.
An introduction to experimental techniques in physics, instrumentation, experiment design, data acquisition, statistical analysis of data, and report writing. Students will normally work on several experiments related to electron, atomic, optical or nuclear physics. Prerequisite: Physics 230 or Physics 210. Two hours.
5. New course description:
Physics 371. Experimental Physics.
An introduction to experimental techniques and instrumentation in physics including lock-in amplifiers, vacuum systems and lasers, electronics, data acquisition and software, statistical analysis of data and report writing. Students will normally work on several shorter experiments and one longer project. One lecture and one 3-hour lab per week. Prerequisite: Physics 231 or Physics 210. Two hours.
6. How does this course change/deletion impact the department teaching load?
NO CHANGE
7. Will this course now be a requirement or an elective? If a requirement, how does it affect the major/minor?
This course was required in the physics major, it will now be an option in the requirements.
8. Will this course change affect other departments and/or programs? (e.g.: Teacher licensure, Cornerstones, requirements for other majors/minors, etc.)
NO
9. What is the rationale for changing or deleting this course?
With the addition of Phys 231 there are now other options for students to learn experimental techniques in physics. The 300 number emphasizes that there is a 200 level lab course pre-requisite.
10. How frequently was the course offered and how frequently will it be offered?
This course will continue to be taught in alternate years.
12. Who will be teaching this course?
Dave Olsgaard or Frank Curti
13. Is this course going to now be a Cornerstone? If yes, please fill out the Cornerstone proposal form as well.
NO
14. If previously designated as a Cornerstone, but now removing said designation, why?

Proposed BY:

Wm Kell

11/10/08

Signature of Department Chair or
Program Director

Date

REVIEWED BY:

Pat Singer

11-10-08

Signature of Division Chair

Date

Comments:

[Signature]

Signature of Academic Dean

11-12-08

Date

Comments:

[Signature]

Signature of Education Department Chair**

11-11-08

Date

Comments:

**if applicable